





About the **2012 Central Valley Flood Protection Plan**



CA Water Plan Public Advisory Committee April 4, 2012

CVFPP & DWR Integrated Water Planning

- Plan for a Specific Project
- Regional
 - Central Valley Flood Mgmt Plan
 - IRWM
- Statewide

- SFMP Flood Future Report
- California Water Plan

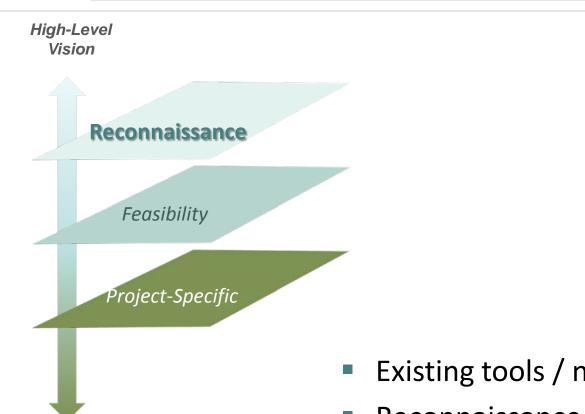


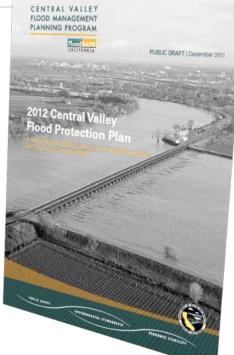






Scope of Technical Evaluation





- Existing tools / new information
- Reconnaissance level of detail
- Focus on system as whole, rather than local conditions

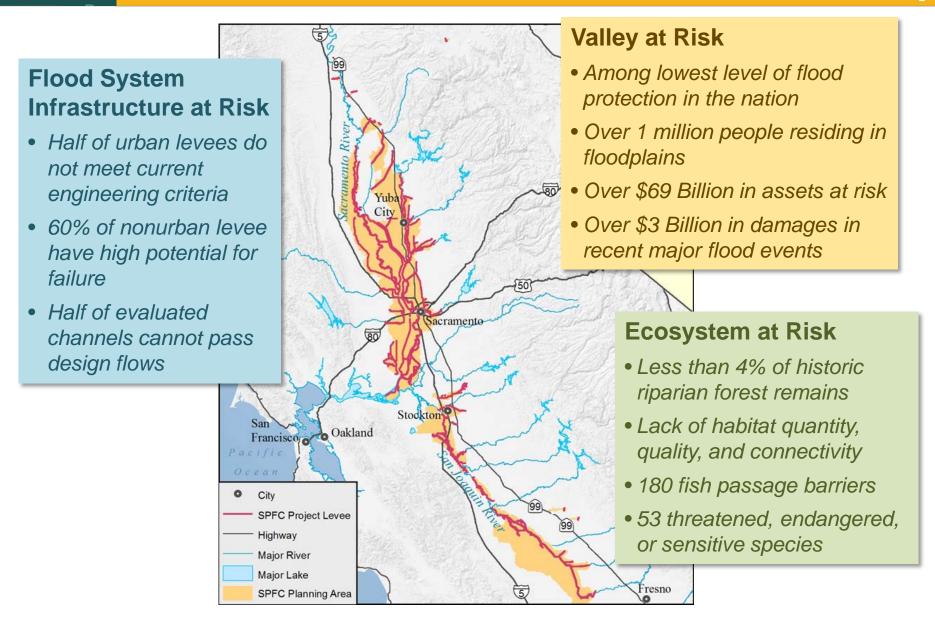


On-the- Ground **Projects**





Flood and Related Risks in the Central Valley



How We Got here:

Preliminary Approaches



Address flow capacity and other conditions for existing SPFC facilities. No major changes to footprint or operation of SPFC facilities



Protect High Risk Communities Focus on protecting life safety for populations at highest risk, including urban areas and small communities



Enhance Flood System Capacity Seek opportunities to achieve multiple benefits through enhancing flood system storage and conveyance capacity



Policies/Flood Management Strategies Development, Implementation Guidance

State
Systemwide
Investment
Approach





Solution: Systemwide Perspective

Considers the Central Valley flood system as a whole

> Protection for Rural-Agricultural Areas and Small Communities

Reservoir Storage **Operations**





Ecosystem **Functions** within Flood System

- Recognizes the State's fundamental interests
 - **Public safety**
 - **Economic stability**
 - Environmental stewardship





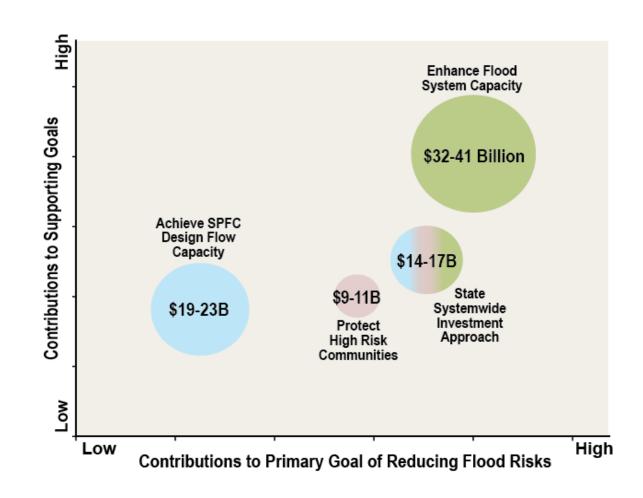
Management of **Floodplains**



Protection for **Urban Areas**



Relative Cost and Performance







ECONOMIC STABILITY

Solution: State Systemwide Investment Approach

- Physical elements
 - Regional Improvements
 - Urban
 - Small Communities
 - Rural/Agricultural Communities
 - System Improvements



Ecosystem restoration

PUBLIC SAFETY

Policies, guidance and implementation strategies





Solution: Benefits of This Approach

- 49% reduction in life risk
- 67% reduction in expected annual flood damages
- Avoid business losses / increase long-term economic output by over \$100 million
- 10,000 acres new habitat
- 25,000 acres habitat-compatible crops
- Sustain the rural-ag lifestyle

PUBLIC SAFETY

Resilient and adaptable



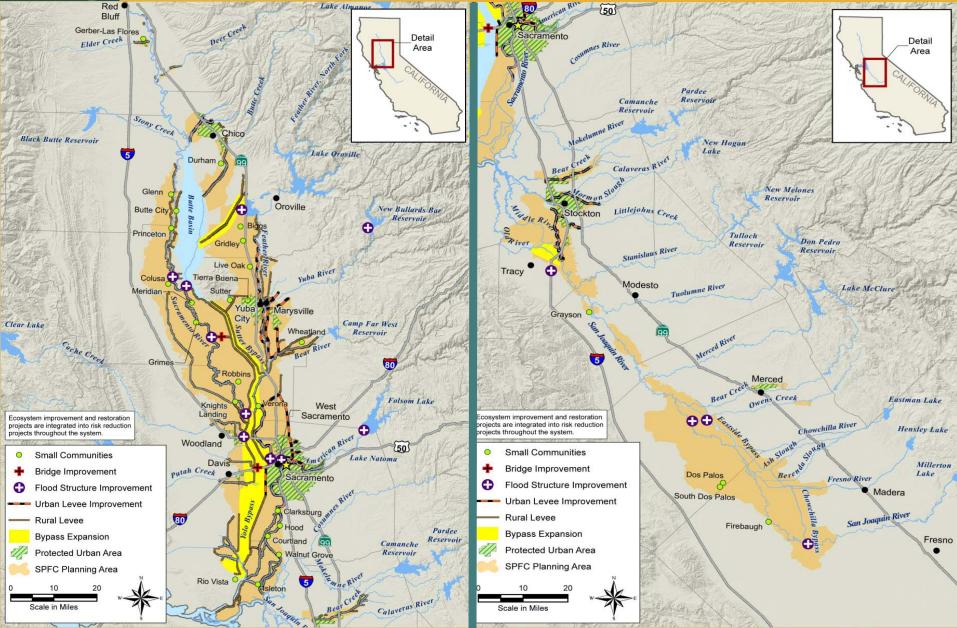




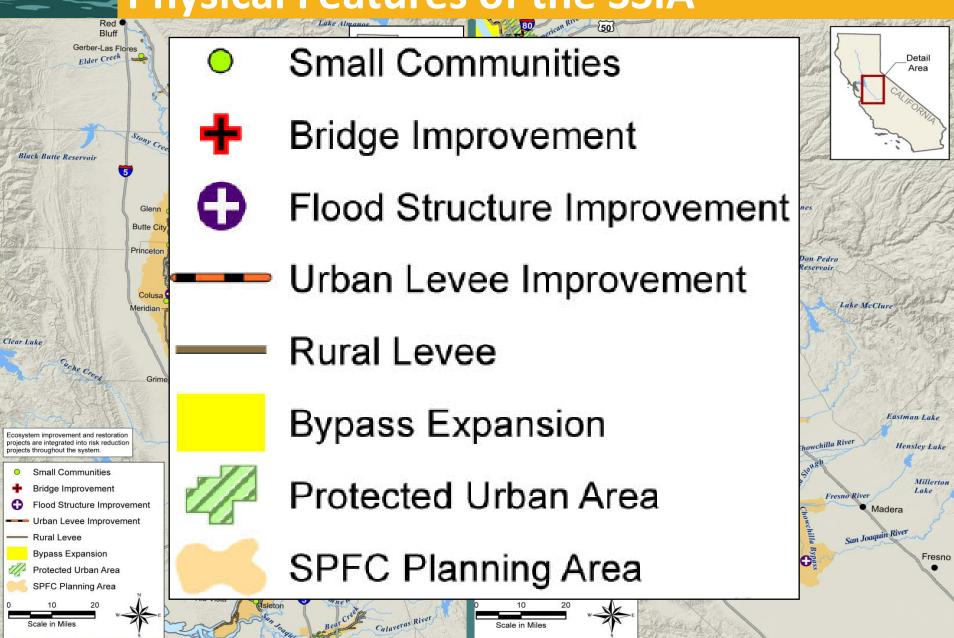




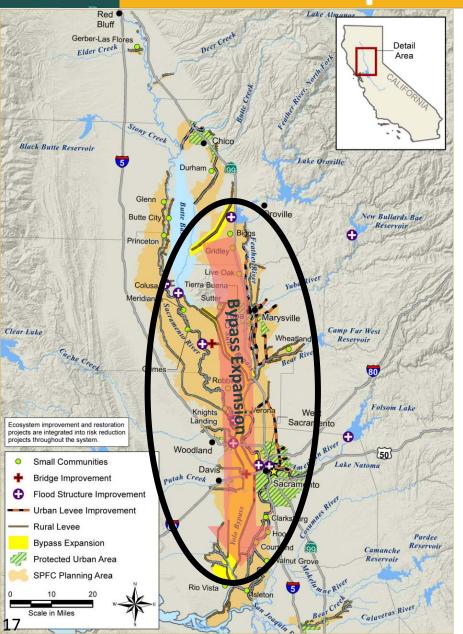
Physical Features of the SSIA

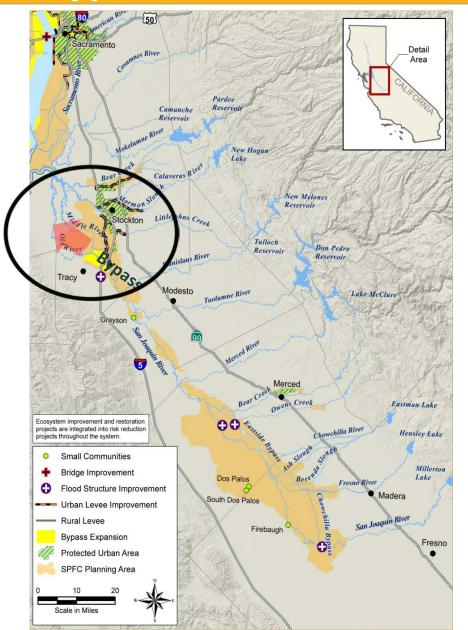


Physical Features of the SSIA

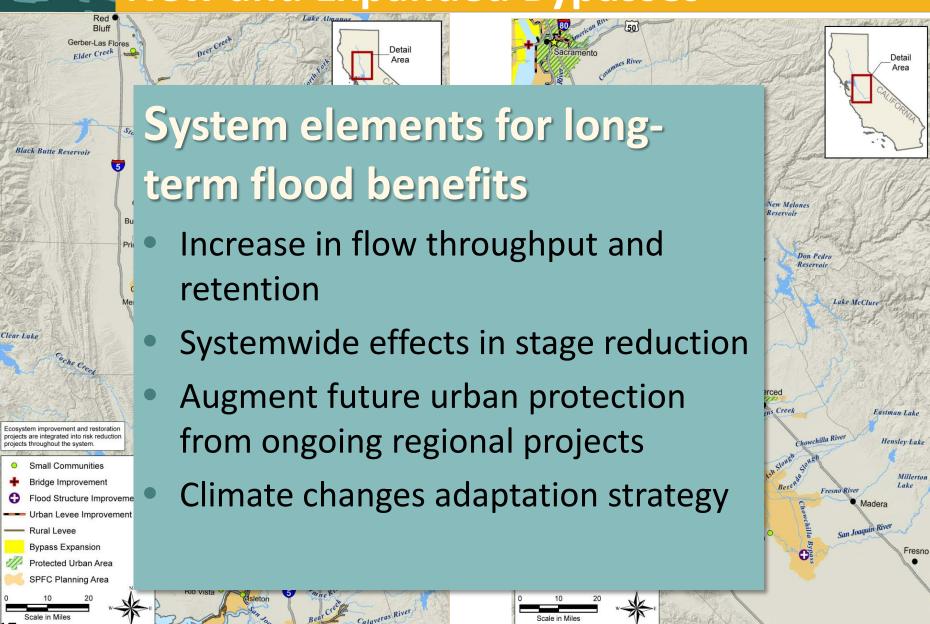


New and Expanded Bypasses





New and Expanded Bypasses



Public Safety Requires Building Resilience

Water Code 9616

- Promote natural dynamic hydrologic and geomorphic processes
- Increase and improve the quantity, diversity, and connectivity of habitats, including the agricultural and ecological values of these lands
- Promote the recovery and stability of native species populations and overall biotic community diversity



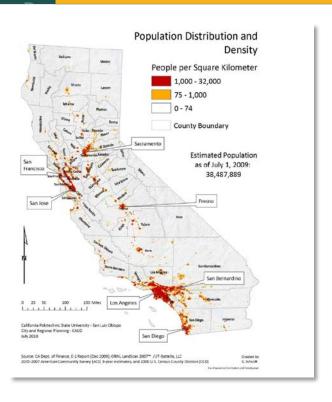




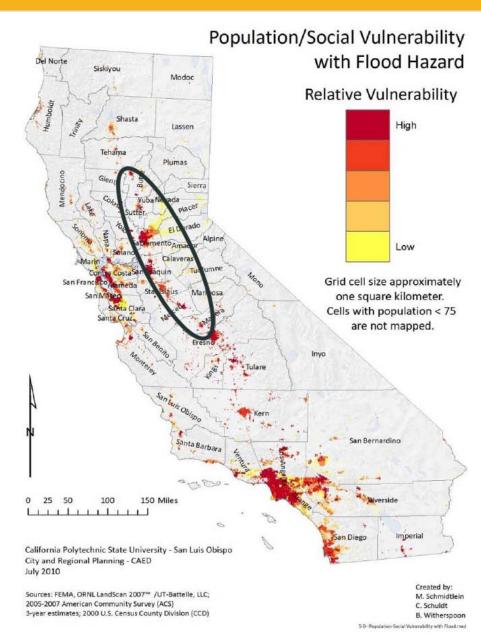


INTEGRATION

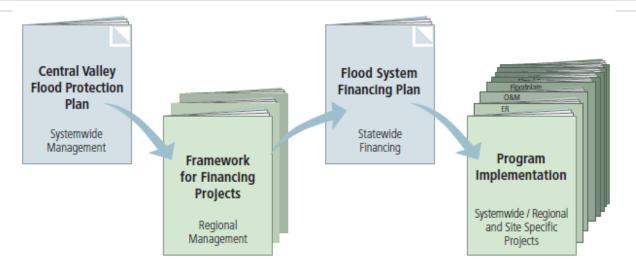
STATEWIDE FLOOD MANAGEMENT PROGRAM



Information from the CVFPP is being incorporated into work on the Flood Future Report.



Financing CVFPP Implementation



- Flood System Deficiences
- Capital Improvements
- Managing State-federal Flood System
- Financing Strategy

- Local/State Interest and Funding
- Federal Interest and Funding
- Implementation Issues

- History/ Accomplishments
- Five-year Bond Expenditure Plan
- CVFPP Capital Improvements
- Delta Capital Improvements
- Statewide Flood Management Plan Capital Improvements

- 2017 CVFPP
- Two Systemwide Feasibility Studies
- CVFPP Systemwide Improvements
- Urban Improvements
- Rural and Small Community Improvements
- Residual Risk Management

TIME





ENVIRONMENTAL STEWARDSHIP

ECONOMIC STABILITY



Public Comments and Hearings

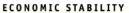
- THE CVFPB IS REQUESTING COMMENTS ON THE PLAN
- For full consideration comments should be made by April 20.
- Comments may be emailed or sent via mail. More information on how to comment can be found on the CVFPB website at: http://www.cvfpb.ca.gov/
- Visit the CVFPP Representative during the Poster Session for more details.

Public hearings:

- April 5, Downtown Sacramento
- April 6, Marysville
- April 9, Stockton
- April 11, Woodland







Summary and Next Steps

There is an urgent need

Over one million people and \$69 billion at risk

The CVFPP provides a path forward

- It will be costly: \$14-17 Billion
- It will take a long time to implement: 20+ years
- We are already making progress: \$1.6 Billion in early implementation investments

There is still work to do

- Public review and Board adoption process
- Regional planning and financing strategy
- State and USACE feasibility studies







